

## CLAIMS

WHAT IS CLAIMED IS:

1 1. A method for transmitting packet data, comprising the  
2 steps of:

3 monitoring packet data transmission traffic between a  
4 first switch and a second switch;

5 establishing a switched virtual circuit (SVC) wherein a  
6 first end of said SVC in said first switch is assigned a  
7 virtual termination address, wherein said address is one of  
8 a plurality of software generated dummy addresses created in  
9 said first switch fabric;

10 receiving a request from an end user to transmit from  
11 said first switch to said second switch; and

12 assigning said end user to said first end of said SVC.

1 2. The method as set forth in Claim 1 further comprises  
2 utilizing a predetermined threshold value of said  
3 transmission traffic to determine the number of  
4 virtually terminated SVCs to be installed.

TO BE ATTACHED TO THE PATENT APPLICATION

1 3. The method as set forth in Claim 1 further comprising  
2 the steps of:

3 receiving a request to disconnect said virtually  
4 terminated SVC;

5 responsive to said request, disconnecting said first  
6 end of said virtually terminated SVC from said end user; and

7 assigning said first end to one of said plurality of  
8 dummy addresses, wherein said virtually terminated SVC  
9 remains connected.

1 4. The method as set forth in Claim 3, further comprising  
2 the step of:

3 responsive to said transmission traffic dropping below  
4 a predetermined level, disconnecting said virtually  
5 terminated SVC.

1 5. The method as set forth in Claim 1, wherein the step of  
2 establishing further comprises utilizing a media gateway  
3 controller to establish said virtually terminated SVC  
4 between said first and second switch.



1        10. In a network, a system for communicating packet  
2 data between a first switch and a second switch in a  
3 network, comprising:

4        means for monitoring packet data transmissions between  
5 said first and second switches;

6        a media gateway in each of said first and second  
7 switches for generating a plurality of dummy addresses in  
8 the switch fabric of each of said first and second switch;

9        a media gateway controller for installing a switched  
10 virtual circuit between said first and second switch; and

11       means for assigning one of said plurality of dummy  
12 addresses to each of a first end and second end of said  
13 switched virtual circuit.

1       11. The system as set forth in Claim 10, wherein said media  
2 gateway in each of said first and second switches is capable  
3 of establishing a predetermined number of said virtual  
4 terminations in the switch fabric of each of said first  
5 switch and said second switch.

1       12. The system as set forth in Claim 11, wherein said  
2 monitoring means further comprises means for comparing a  
3 threshold value of said packet data transmission to  
4 determine a number of virtually terminated SVCs to be  
5 installed.

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1 13. The system as set forth in Claim 10, wherein said  
2 controller further comprises:

3 means for receiving a request to disconnect said  
4 virtually terminated SVC;

5 responsive to said request means for disconnecting said  
6 first end of said virtually terminated SVC from said end  
7 user; and

8 means for assigning said first end to one of said  
9 plurality of dummy addresses, wherein said virtually  
10 terminated SVC remains connected.

1 14. The system as set forth in Claim 10, wherein said  
2 controller further comprises means for establishing and  
3 maintaining said virtually terminated SVC between said first  
4 and second switches.

1 15. The system as set forth in Claim 10, comprises means  
2 for disconnecting said virtually terminated SVC when said  
3 packet data transmission drops below a predetermined level.

1 16. The system as set forth in Claim 10, wherein said  
2 controller is capable of maintaining a predetermined number  
3 of virtually terminated SVCs until said packet data  
4 transmission exceeds said threshold value.

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FOOTNOTES

1 17. The system as set forth in Claim 10, wherein said  
2 network is a telecommunications network.

1 18. The system as set forth in Claim 10, wherein said  
2 network is a computer network.

1 19. A method for receiving packet data comprising the steps  
2 of:

3 monitoring transmission traffic between a first switch  
4 and a second switch;

5 establishing a switched virtual circuit (SVC) wherein a  
6 second end of said SVC in said second switch is assigned a  
7 virtual termination address, wherein said address is one of  
8 a plurality of software generated dummy addresses created in  
9 said second switch fabric;

10 receiving a signal to receive packet data from said  
11 first switch; and

12 assigning an end user to said second end of said SVC.

1 20. The method as set forth in Claim 19 further comprising  
2 utilizing a predetermined threshold value of said  
3 transmission traffic to determine the number of virtually  
4 terminated SVCs to be installed.

1 21. The method as set forth in Claim 19 further comprising  
2 the steps of:

3 receiving a request to disconnect said virtually  
4 terminated SVC; and

5 responsive to said request, disconnecting said second  
6 end of said virtually terminated SVC from said end user and  
7 assigning said second end to said one of a plurality of  
8 dummy addresses, wherein said virtually terminated SVC  
9 remains connected.

1 22. The method as set forth in Claim 19, wherein the step  
2 of establishing further comprises:

3 utilizing a media gateway controller to establish and  
4 maintain said virtually terminated SVC.

1 23. The method as set forth in Claim 19, further comprising  
2 the step of:

3 responsive to said packet data transmission dropping  
4 below a predetermined level, disconnecting said virtually  
5 terminated SVC.

1 24. The method as set forth in Claim 19, wherein said media  
2 gateway controller maintains a predetermined number of  
3 virtually terminated SVCs as long as said transmission  
4 traffic exceeds said threshold value.

1 25. The method as set forth in Claim 19, wherein said media  
 2 gateway controller maintains a predetermined number of  
 3 virtually terminated SVCs as long as said transmission  
 4 traffic exceeds said threshold value.

1 26. A method for communicating packet data between two  
 2 switches in a network, comprising:

3 monitoring packet data transmission traffic between a  
 4 first switch and a second switch;

5 utilizing a predetermined threshold value to determine  
 6 whether to add additional virtual circuits between said  
 7 first and second switches;

8 establishing at least one switched virtual circuit  
 9 (SVC), wherein a first end of said SVC in said first switch  
 10 and a second end of said SVC in said second switch are each  
 11 assigned a virtual termination address, wherein each said  
 12 address are software generated dummy addresses each created  
 13 in said first and second switch fabric;

14 receiving a request from a first end user to transmit  
 15 from said first switch to said second switch; and

16 assigning said first end user to said first end of said  
 17 SVC and a second end user to the second end of said SVC;

18 receiving a disconnect signal from one of said end  
 19 users;



20           disconnecting each of said first and second end users  
21   from said SVC;  
22           connecting said first and second end of said SVC to  
23   said virtual termination addresses; and  
24           tearing down said virtually terminated SVC if said  
25   packet data transmission drops below a predetermined level.

FOOTNOTES